

REMARKS

Applicant respectfully requests reconsideration of the above-identified application in view of this amendment and remarks. Claims 1-9 remain canceled in response to a restriction requirement. Claims 11-12, and 14-15 remain canceled by prior amendment. Applicant has amended the specification and has amended claim 10. Support for claim 19 is provided. Claims 10, 13, 16-18, and 19 are pending. Applicant has not added new matter and respectfully requests entry of the foregoing Amendment.

Amendments to the Specification

The applicant has amended the specification to include nine paragraphs from columns 11-12 of U.S. Pat. No. 6,093,302, which was incorporated by reference into the above-identified application at the bottom of page 1 and in the middle of page 2. Applicant removed reference to FIGS. 1-5 from column 12, lines 32-33 and corrected a typographical error by adding the verb "occurs" to the sentence beginning on column 12, line 28 and ending on line 32. These nine paragraphs provide support to claim 1, which recites subject matter related to electrochemical deprotection for formation of the capture molecules on the electrode array.

The applicant has amended the specification to include one paragraph taken from Columns 19-20 of U.S. Pat. No. 6,093,302, which was incorporated by reference into the above-identified application at the bottom of page 1 and in the middle of page 2. This paragraph provides support to claim 1, which recites subject matter related to the capture molecules being attached to the porous matrix (membrane) overlaying the electrodes of the microarray.

The applicant has amended the specification to correct numerous typographical errors throughout the specification.

Claim Amendments

The applicant has amended claim 10 to correct typographical errors, to change a negative recitation with respect to not using electrophoretic transport of charged species for synthesis into a positive limitation with respect to the use of electrochemically-generated reagent for the synthesis of the capture molecules, to add antigen to the Markush group, and to remove a limitation with respect to the thickness of the porous reaction layer. Support for this amendment is found in Figures 1 and 2 and on page 4, line 29 through page 5, line 19, page 8, lines 6-34, and

from the amendments to the specification, specifically, the amendments to the specification items No. 1-2 above.

Objection to Claim 19

The examiner has objected to claim 19 for failure to recite antigen in the Markush group of claim 10, from which claim 19 depends. The applicant has amended claim 10 to add antigen to the Markush group of claim 10. Support is found in Figures 1-2 and on page 9, lines 1-15.

Support for Claim 19

The examiner has requested identification of support for new claim 19 added by prior amendment. Claim 19 recites subject matter provided in Figures 1-2 and on page 8, line 6 through page 9, line 15.

Election/Restrictions

The examiner has made a restriction requirement with respect to the species for the enzyme moiety attachment to the target molecules. The examiner has asserted that there are seven patentably distinct species, namely:

- (a) antibody,
- (b) anti-idiotypic antibody,
- (c) biotin/streptavidin,
- (d) biotin/avidin,
- (e) combination thereof ((a)-(d)),
- (f) first antibody/antigen/second antibody/streptavidin-biotin/oxidation/reduction enzyme
- (g) first antibody/antigen/second antibody/avidin-biotin/oxidation/reduction enzyme

The applicant elects biotin/avidin (d) without traverse. Claims 10, 13, and 16-18 encompass this species.

In view of the foregoing amendment and remarks, applicant respectfully requests reconsideration of this pending application and examination of all the pending claims as well as entry of the foregoing amendment.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "MD Vrbanac", with a long horizontal flourish extending to the right.

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